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**POWER OF ATTORNEY  
And  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/777,008
Filing Date	February 11, 2004
First Named Inventor	Emil MARTIN
Title	Treatment or Prevention of cGMP-Dependent Patho...
Art Unit	
Examiner Name	
Attorney Docket Number	2105-01001

I hereby appoint:

☒ Practitioners at Customer Number

→ 23505

**OR**☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.**OR**☐ The address associated with Customer Number**OR**

<input type="checkbox"/> Firm or <input type="checkbox"/> Individual Name					
Address					
Address					
City		State		Zip	
Country					
Telephone		Fax			

I am the:

☐ Applicant/inventor.

Under 37 CFR 3.73(b) Assignee certifies that it is:

☒ Assignee of record of the entire interest. Assignment recorded at Reel \_\_\_\_ Frame \_\_\_\_ /or Statement under 37 CFR 3.73(b) showing ownership is attached.☒ Pursuant to 37 CFR 3.71(a) Assignee elects to conduct prosecution of the above-identified application to the exclusion of the inventive entity and any assignee(s) previously entitled to conduct prosecution.**SIGNATURE of Applicant or Assignee of Record**

Assignee	<b>The Board of Regents of The University of Texas System</b>	
Name/Title	Cullen M. Godfrey, Vice Chancellor and General Counsel	
Signature		
Date	March 15, 2004	Telephone: 512-499-4462

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) and application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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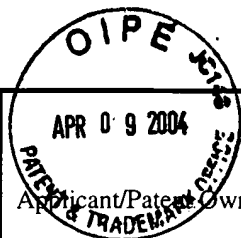
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/777,008
		Filing Date	February 11, 2004
		First Named Inventor	Emil MARTIN
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	2105-01001

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input checked="" type="checkbox"/> Power of Attorney, and Correspondence Address Indication Form  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ul style="list-style-type: none"><li>• Certificate Under 37 CFR 3.73(b) (with copy of assignment attached)</li><li>• Postcard</li></ul>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Or Individual Name	Carol G. Mintz, Reg. No. 38,561		
Signature			
Date	April 6, 2004		
CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or Printed Name	Frances Hampton		
Signature		Date	April 6, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and selection option 2

**CERTIFICATE UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Emil MARTIN and Ferid MURAD

Application No./Patent No.: 10/777,008

Filed/Issue Date: February 11, 2004

Entitled: **TREATMENT OR PREVENTION OF cGMP-DEPENDENT PATHOPHYSIOLOGY WITH A  
MUTANT VARIANT OF SOLUBLE GUANYLYL CYCLASE**The Board of Regents of  
The University of Texas System  
(Name of Assignee)a University  
Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_ %

In the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: To:  
The document was recorded in the United Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: To:  
The document was recorded in the United Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.
- ☐ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 15, 2004

Date

Cullen M. Godfrey

Typed or printed name

Signature

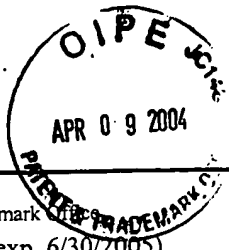
Vice Chancellor and General Counsel

Title

121831.01/ 2105-01001

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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FORM PTO-1595  
(Rev. 3/01) Patent and Trademark

## RECORDATION FORM COVER SHEET

U. S. DEPARTMENT OF COMMERCE

OMB No. 0651-0027 (exp. 6/30/2005)

## PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying parties(ies):

(1) Emil Martin  
(2) Ferid MuradAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Board of Regents,  
The University of Texas System  
201 West Seventh Street  
Austin, Texas 78701Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date(s):

(1) 03/15/2004, (2) 03/18/2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is :

A. Patent Application No.(s). 10/777,008

B. Patent No.(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Carol G. Mintz  
CONLEY ROSE, P.C.  
P. O. Box 3267  
Houston, Texas 77253-32676. Total number of application and patents involved: 17. Total fee (37 CFR 3.41) .....\$ 40.00☐ Enclosed  
☒ Authorized to be charged to deposit account8. Deposit account number: 03-2769

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

9. Statement and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original documentCarol G. Mintz, Reg. No. 38,561  
Name of Person Signing

Signature

April 6, 2004  
DateTotal number of pages including cover sheet, attachments, and documents 4

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services,

Director - US Patent &amp; Trademark Office, P. O. Box 1450, Alexandria, VA, 22313-1450

COPY

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN, AND TRANSFER to the BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (the "Assignee"), having a place of business at 201 West Seventh Street, Austin, Texas 78701, its successors and assigns, for the territory of the United States of America and for all foreign countries, the undersigned's entire right, title, and interest in and to the invention entitled "Treatment or Prevention of cGMP-Dependent Pathophysiology With A Mutant Variant of Soluble Guanylyl Cyclase," described and claimed in an application for Letters Patent of the United States of America (US Patent Application Serial No. 10/777,008; Patent Cooperation Treaty Application No. PCT/US03/38993), as well as any improvement thereof, and any and all applications for said improvement, including any and all divisional, renewal, substitute, continuation, and continuation-in-part application, together with the right to claim priority accruing from said applications, and all Letters Patent which may be granted on any said application(s) for said invention or any said improvement, and all extension(s) and reissue(s) thereof;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisionals, continuing, substitutes, renewals, reissues, and all other patent applications, on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

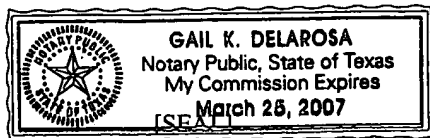
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) Emil Martin  
Name: Emil Martin, PhD

Date: March 15, 2004

State of Texas   §  
                              §  
County of Harris §

BEFORE ME, the undersigned authority, on this 23 day of March, 2004, personally appeared Emil Martin, PhD known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



Gail K. Delarosa  
Notary or Consular Officer

My Commission Expires: 3/25/2007

\*\*\*\*\*

COPY

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN, AND TRANSFER to the BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (the "Assignee"), having a place of business at 201 West Seventh Street, Austin, Texas 78701, its successors and assigns, for the territory of the United States of America and for all foreign countries, the undersigned's entire right, title, and interest in and to the invention entitled "Treatment or Prevention of cGMP-Dependent Pathophysiology With A Mutant Variant of Soluble Guanylyl Cyclase," described and claimed in an application for Letters Patent of the United States of America (US Patent Application Serial No. 10/777,008; Patent Cooperation Treaty Application No. PCT/US03/38993), as well as any improvement thereof, and any and all applications for said improvement, including any and all divisional, renewal, substitute, continuation, and continuation-in-part application, together with the right to claim priority accruing from said applications, and all Letters Patent which may be granted on any said application(s) for said invention or any said improvement, and all extension(s) and reissue(s) thereof;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisionals, continuing, substitutes, renewals, reissues, and all other patent applications, on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

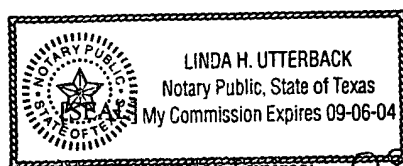
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) Ferid Murad  
Name: Ferid Murad, MD, PhD

Date: 3/18/04

State of Texas §  
§  
County of Harris §

BEFORE ME, the undersigned authority, on this 18<sup>th</sup> day of March, 2004, personally appeared Ferid Murad, MD, PhD known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



Linda H. Utterback  
Notary or Consular Officer

My Commission Expires: 09/06/04

\*\*\*\*\*

COPY